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Title: JP59131638A2: OPEN-CELL FOAMED MATERIAL OF CROSSLINKED POLYOLEFIN HAVING HYDROPHILIC PROPERTY AND ITS PREPARATION

Derwent Title: Crosslinked polyolefin open-cell foam - prepd. from polyolefin, foaming agent and crosslinking agent [\[Derwent Record\]](#)

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Kind: A

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Application Number: JP1983000006899

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Abstract:

PURPOSE: To obtain a foamed material having excellent hydrophilic property, water retainability and weather resistance, and the feeling of the human skin, by kneading a polyolefin with a foaming agent and a crosslinking agent, heating the kneaded product under normal pressure to obtain a foamed material, interconnecting the cells of the material by mechanical deformation, and impregnating a water-insolubilized polyvinyl alcohol to the foam.

CONSTITUTION: A foamable and crosslinkable kneaded composition composed of a polyolefin, a foaming agent and a crosslinking agent and free of gel fraction, is heated under normal pressure to effect the simultaneous decomposition of the foaming agent and the crosslinking agent to obtain a foamed material, which is subjected to the mechanical deformation to interconnect the cells with each other. An open-cell foamed material having uniform and fine cell structure and elasticity, an expansion ratio of 15W70 and an open-cell ratio of 30% can be manufactured by this process. A water-insolubilized polyvinyl alcohol is impregnated in the pore. The polyvinyl alcohol has a polymerization degree of about 500W2,000, and the amount is 0.001W0.02g per 1cm³ of the foamed material.

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Family: None

Other Abstract: None

